

AMENDMENTS TO THE CLAIMS

1-29. (canceled)

30. (currently amended) A process for the production of triacylglycerol, comprising:
growing a transgenic cell or transgenic organism which contains

(i) the ~~a~~- nucleotide sequence SEQ ID NO: 1 from *S. cerevisiae*, or

(ii) the ~~a~~- nucleotide sequence 95% identical to said SEQ ID NO:1,

wherein the respective nucleotide sequences encode ~~encoding~~ SEQ ID NO:2, ~~DNA~~
~~which is at least 95% identical to SEQ ID NO: 1~~ whereby the nucleotide sequence
encoding an enzyme is expressed, wherein said enzyme catalyzes in an acyl-CoA-
independent reaction the transfer of fatty acids from phospholipids to diacylglycerol in
the biosynthetic pathway for the production of triacylglycerol ~~and transgenic cells~~
~~comprises an enzyme which catalyzes in an acyl-CoA-independent reaction the transfer~~
~~of fatty acids from phospholipids to diacylglycerol in the biosynthetic pathway for the~~
~~production of triacylglycerol.~~

31. (currently amended) A method of producing triacylglycerol and/or ~~triacylglycerol~~
triacylglycerols with uncommon fatty acids which comprises:

transforming an organism or host cell using

(i) the nucleotide sequence SEQ ID NO: 1 from *S. cerevisiae*, or

(ii) the ~~a~~- nucleotide sequence 95% identical to said SEQ ID NO:1,

wherein the respective nucleotide sequences encode ~~encoding~~ SEQ ID NO: 2, ~~DNA~~
~~which is at least 95% identical to SEQ ID NO: 1,~~ whereby the transformation results in
an increased oil content of the cell or organism.

32. (currently amended) A method of producing triacylglycerol and/or triacylglycerols with uncommon fatty acids comprising:

transfecting a cell or organism with

(i) the nucleotide of sequence SEQ ID NO: 1 from *S. cerevisiae*, or

(ii) the a- nucleotide sequence 95% identical to said SEQ ID NO:1,

wherein the respective nucleotide sequences encode encoding SEQ ID NO: 2, ~~DNA~~
~~which is at least 95% identical to SEQ ID NO: 1.~~

33-35. (canceled)

36. (new) The method of claim 31 wherein the nucleotide sequence encoding an enzyme is expressed, wherein said enzyme catalyzes in an acyl-CoA-independent reaction the transfer of fatty acids from phospholipids to diacylglycerol in the biosynthetic pathway for the production of triacylglycerol.

37. (new) The method of claim 32 wherein the nucleotide sequence expresses an enzyme which catalyzes in an acyl-CoA-independent reaction the transfer of fatty acids from phospholipids to diacylglycerol in the biosynthetic pathway for the production of triacylglycerol.